

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An overvoltage protective circuit for a brushless dc motor, comprising:

an overvoltage protective element connected between a power source and a motor drive circuit, the overvoltage protective element ~~is being~~ further connected between the power source and a ground line, and thus adapted to discharge overvoltage supplied from the power source;

a first resistor serially connected to the overvoltage protective element and adapted to provide a first voltage reference;

a first transistor having a base, the first transistor ~~is being~~ connected in series between the power source and ~~a~~ the motor drive circuit and adapted to cut off the motor drive circuit from the power source;

a second transistor connected to the first transistor to constitute a switch set, the second transistor ~~has having~~ a base connected to ~~a~~ the first resistor so that the first voltage reference of the first resistor is able to control ~~for~~ turning on or off the second transistor; and

a second resistor connected between the power source and the first transistor, and adapted to provide a second voltage reference so that the second voltage reference of the second resistor is able to control ~~for~~ turning on or off the first transistor;

wherein when the power supply has supplied a normal voltage, the overvoltage protective element ~~is does not conducted~~ conduct to discharge the power source to the ground line, the first voltage reference of the first resistor is able to turn off the second transistor, and the second voltage reference of the second resistor is able to turn on the first transistor that allows the power supply to supply power to the motor drive circuit; and

wherein when the power supply has supplied an overvoltage, the overvoltage protective circuit ~~is conductive~~ conducts to discharge the overvoltage to the ground line, the first voltage

reference of the first resistor is able to turn on the second transistor for grounding, and the second voltage reference of the second resistor is able to turn off the first transistor that cuts off the power supply to the motor drive circuit.

2. (Original) The overvoltage protective circuit for the brushless dc motor as defined in Claim 1, wherein the overvoltage protective element is a zener diode.

3. (Currently Amended) The overvoltage protective circuit for the brushless dc motor as defined in Claim 1, wherein the second transistor is ~~selected from a~~ PNP transistor.

4. (Currently Amended) The overvoltage protective circuit for the brushless dc motor as defined in Claim 1, wherein the second transistor is ~~selected from a~~ an NPN transistor.

5. (Currently Amended) The overvoltage protective circuit for the brushless dc motor as defined in Claim 1, wherein the overvoltage protective element is serially connected to the first resistor at a common point which is connected to the base of the second transistor ~~to which~~ so as to supply the first voltage reference to the base of the second transistor.

6. (Original) The overvoltage protective circuit for the brushless dc motor as defined in Claim 1, wherein the first transistor and the second transistor are formed with a common point which is connected to the second resistor so as to supply the second voltage reference to the base of the first transistor.